

PHYSICS 200C, SPRING 2017
ELECTRICITY AND MAGNETISM

Assignment Two, Due Friday, April 21, 5:00 pm.

Problem numeration is from “Classical Electrodynamics”, J.D. Jackson, third edition.

[1.] Jackson 6.3.

[2.] Jackson 6.4.

[3.] Jackson 6.8.

[4.] Show that if magnetic monopoles *did* exist, but all particles in nature had the same ratio of magnetic to electric charge, then one could redefine the sources and fields of electromagnetism so that the usual Maxwell equations (in which there are no magnetic monopoles) would emerge.